

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	55	(donor same acceptor same (NLO or (nonlinear) or (non adj linear)) same ((electron or charge) adj transfer\$5))	US-PGPUB; USPAT	OR	ON	2005/05/20 12:49
L2	1	(donor same acceptor same (NLO or (nonlinear) or (non adj linear)) same ((electron or charge) adj transfer\$5)).clm.	US-PGPUB; USPAT	OR	ON	2005/05/20 12:50
L4	117	(donor same acceptor same ((electron or charge) adj transfer\$5)).clm.	US-PGPUB; USPAT	OR	ON	2005/05/20 12:52
L6	2	((donor near2 layer) same (acceptor near2 layer) same ((electron or charge) adj transfer\$5)).clm.	US-PGPUB; USPAT	OR	ON	2005/05/20 12:52
L7	0	(McBranch.in. or DOE.as. or (department near2 energy).as. or (los adj alamos).as. or (university adj california).as.) and (donor adj (coat\$3 or film or layer)) and (acceptor adj (coat\$3 or film or layer)) and (NLO or (nonlinear adj optical\$4) or (non adj linear adj optical\$4))	US-PGPUB; USPAT	OR	ON	2005/05/20 12:53
L8	0	(McBranch.in. or DOE.as. or (department near2 energy).as. or (los adj alamos).as. or (university adj california).as.) and (donor adj (coat\$3 or film or layer)) and (acceptor adj (coat\$3 or film or layer)) and (TSL or ((spacer or spacing) adj layer))	US-PGPUB; USPAT	OR	ON	2005/05/20 12:53
L9	0	(McBranch.in. or DOE.as. or (department near2 energy).as. or (los adj alamos).as. or (university adj california).as.) and (donor adj (coat\$3 or film or layer)) and (acceptor adj (coat\$3 or film or layer))	US-PGPUB; USPAT	OR	ON	2005/05/20 12:53
L10	7	(McBranch.in. or DOE.as. or (department near2 energy).as. or (los adj alamos).as. or (university adj california).as.) and (MPS adj PPv)	US-PGPUB; USPAT	OR	ON	2005/05/20 12:54
L11	0	(McBranch.in. or DOE.as. or (department near2 energy).as. or (los adj alamos).as. or (university adj california).as.) and (methyl near2 propyloxy near2 sulfonate near2 phenylene near2 vinylene)	US-PGPUB; USPAT	OR	ON	2005/05/20 12:54

L12	0	(McBranch.in. or DOE.as. or (department near2 energy).as. or (los adj alamos).as. or (university adj california).as.) and (methyl near2 propyloxy near2 sulfonate near3 vinylene)	US-PGPUB; USPAT	OR	ON	2005/05/20 12:54
L13	0	(McBranch.in. or DOE.as. or (department near2 energy).as. or (los adj alamos).as. or (university adj california).as.) and (methyl near2 propyloxy near2 sulfonate near3 (vinylene or phenylene))	US-PGPUB; USPAT	OR	ON	2005/05/20 12:54
L14	15	(McBranch.in. or DOE.as. or (department near2 energy).as. or (los adj alamos).as. or (university adj california).as.) and (NLO or (nonlinear adj optical\$4) or (non adj linear adj optical\$4) or PAZO)	US-PGPUB; USPAT	OR	ON	2005/05/20 12:54
L15	11	(McBranch.in. or DOE.as. or (department near2 energy).as. or (los adj alamos).as. or (university adj california).as.) and ((charge or electron or energy) near2 transfer\$5) and (polyelectrolyt\$4 or polyanion\$4 or polycation\$5 or ((ionic\$4 or self) adj assembl\$5))	US-PGPUB; USPAT	OR	ON	2005/05/20 12:55
L16	0	(McBranch.in. or DOE.as. or (department near2 energy).as. or (los adj alamos).as. or (university adj california).as.) and ((charge or electron or energy) near2 transfer\$5) and (polyelectrolyt\$4 or polyanion\$4 or polycation\$5 or ((ionic\$4 or self) adj assembl\$5))	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 12:56
L17	0	(McBranch.in. or DOE.as. or (department near2 energy).as. or (los adj alamos).as. or (university adj california).as.) and (NLO or (nonlinear adj optical\$4) or (non adj linear adj optical\$4) or PAZO)	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 12:56
L18	0	(McBranch.in. or DOE.as. or (department near2 energy).as. or (los adj alamos).as. or (university adj california).as.) and (methyl near2 propyloxy near2 sulfonate near3 (vinylene or phenylene))	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 12:56
L19	0	(McBranch.in. or DOE.as. or (department near2 energy).as. or (los adj alamos).as. or (university adj california).as.) and (MPS adj PPv)	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 12:56

L20	0	(McBranch.in. or DOE.as. or (department near2 energy).as. or (los adj alamos).as. or (university adj california).as.) and (donor adj (coat\$3 or film or layer)) and (acceptor adj (coat\$3 or film or layer))	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 12:56
L21	0	(McBranch.in. or DOE.as. or (department near2 energy).as. or (los adj alamos).as. or (university adj california).as.) and (donor adj (coat\$3 or film or layer)) and (acceptor adj (coat\$3 or film or layer)) and (NLO or (nonlinear adj optical\$4) or (non adj linear adj optical\$4))	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 12:57
L22	0	(McBranch.in. or DOE.as. or (department near2 energy).as. or (los adj alamos).as. or (university adj california).as.) and (NLO or (nonlinear adj optical\$4) or (non adj linear adj optical\$4))	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 12:57
L23	0	(McBranch.in. or DOE.as. or (department near2 energy).as. or (los adj alamos).as. or (university adj california).as.) and ((charge or electron or energy or photoinduc\$8 or direction or control\$5) near3 (transfer\$6 or transport\$6)) and ((ionic\$5 or self) adj assembl\$5) and (superlattice or (super adj lattice))	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 12:59
L24	0	(McBranch.in. or DOE.as. or (department near2 energy).as. or (los adj alamos).as. or (university adj california).as.) and ((charge or electron or energy or photoinduc\$8 or direction or control\$5) near3 (transfer\$6 or transport\$6)) and ((ionic\$5 or self) adj assembl\$5) and (superlattice or (super adj lattice))	US-PGPUB; USPAT	OR	ON	2005/05/20 13:02
L25	4	(McBranch.in. or DOE.as. or (department near2 energy).as. or (los adj alamos).as. or (university adj california).as.) and ((charge or electron or energy or photoinduc\$8 or direction or control\$5) near3 (transfer\$6 or transport\$6)) and ((ionic\$5 or self) near2 assembl\$5)	US-PGPUB; USPAT	OR	ON	2005/05/20 13:01

L26	0	(McBranch.in. or DOE.as. or (department near2 energy).as. or (los adj alamos).as. or (university adj california).as.) and ((charge or electron or energy or photoinduc\$8 or direction or control\$5) near3 (transfer\$6 or transport\$6)) and ((ionic\$5 or self) near2 assembl\$5)	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 13:01
L27	0	(McBranch.in. or DOE.as. or (department near2 energy).as. or (los adj alamos).as. or (university adj california).as.) and ((charge or electron or energy or photoinduc\$8 or direction or control\$5) near3 (transfer\$6 or transport\$6)) and (superlattice or (super adj lattice))	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 13:01
L28	0	(McBranch.in. or DOE.as. or (department near2 energy).as. or (los adj alamos).as. or (university adj california).as.) and ((charge or electron or energy or photoinduc\$8 or direction or control\$5) near3 (transfer\$6 or transport\$6)) and (superlattice or (super adj lattice))	US-PGPUB; USPAT	OR	ON	2005/05/20 13:01
L29	0	(McBranch.in. or DOE.as. or (department near2 energy).as. or (los adj alamos).as. or (university adj california).as.) and ((ionic\$5 or self) adj assembl\$5) and (superlattice or (super adj lattice))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 13:03

L30	0	(McBranch.in. or DOE.as. or (department near2 energy).as. or (los adj alamos).as. or (university adj california).as.) and ((ionic\$5 or self) adj assembl\$5) and (polyanion\$5 or polycation\$5 or polyelectroly\$6 or polyion\$6 or (poly adj (anion\$4 or cation\$5 or electrolyt\$5 or ion\$6))) and (donor or MPSPV or (MPS adj PPV) or (\$10sulfonate near2 (\$10phenylene or \$10vinylene))) and (acceptor or C60 or buckyball or fullerene or (bucky adj ball) or "C.sub.60") and (spacer or spacing or PEI or (poly adj ethylene adj imine) or (poly adj ethyleneimine) or (polyethylene adj imine) or (polyethyleneimine) or PAH or polyallylamine or (poly adj \$3allyl adj amine) or (polyallyl adj amine) or (poly adj \$4allylamine) or PDDA or PSS or (polystyrene adj sulfonate) or (poly adj styrene adj sulfonate) or (poly adj styrenesulfonate) or PAZO or NLO or (non adj linear) or (nonlinear))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 13:30
L31	1835	(427/58,108).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/05/20 13:13
L32	2582	(427/162,164,165,169).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/05/20 13:13
L33	1270	(427/402).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/05/20 13:13
L34	2041	(427/430.1,443.2).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/05/20 13:13
L35	1835	(427/58,108).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/05/20 13:13
L36	2582	(427/162,164,165,169).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/05/20 13:13
L37	1270	(427/402).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/05/20 13:13
L38	2041	(427/430.1,443.2).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/05/20 13:13
L39	7246	L35 L36 L37 L38	US-PGPUB; USPAT	OR	ON	2005/05/20 13:13
L40	7246	L35 L36 L37 L38	US-PGPUB; USPAT	OR	ON	2005/05/20 13:14
L41	3	L40 and (((electron or charge or energy) adj (transfer\$6)) same (NLO or ((nonlinear or (non adj linear)) near2 optic\$6)))	US-PGPUB; USPAT	OR	ON	2005/05/20 13:14

L42	202	((electron or charge or energy) adj (transfer\$6)) same (NLO or ((nonlinear or (non adj linear)) near2 optic\$6)))	US-PGPUB; USPAT	OR	ON	2005/05/20 13:14
L43	3	L40 and (((electron or charge or energy) adj (transfer\$6)) same (NLO or ((nonlinear or (non adj linear)) near2 optic\$6)))	US-PGPUB; USPAT	OR	ON	2005/05/20 13:14
L44	202	((electron or charge or energy) adj (transfer\$6)) same (NLO or ((nonlinear or (non adj linear)) near2 optic\$6)))	US-PGPUB; USPAT	OR	ON	2005/05/20 13:14
L45	199	L44 not L43	US-PGPUB; USPAT	OR	ON	2005/05/20 13:14
L46	199	L44 not L43	US-PGPUB; USPAT	OR	ON	2005/05/20 13:14
L47	47	L46 and (polyelectrolyt\$4 or polyanion\$4 or polycation\$5 or ((ionic\$4 or self) adj assembl\$5))	US-PGPUB; USPAT	OR	ON	2005/05/20 13:15
L48	0	L46 and ((methyl near2 propyloxy near2 sulfonate near2 phenylene near2 vinylene) or (MPS adj PPv)) and (PEI or PAH or PDDA or PSS or PPI or dendrimer or (poly adj ((ethylene adj imine) or (allyl adj amine) or (styrene adj sulfonate) or (propylene adj imine)))) and (C60 or "C.sub.60" or \$8fullerene or buckminsterfullerene) and (PAZO)	US-PGPUB; USPAT	OR	ON	2005/05/20 13:16
L49	0	((methyl near2 propyloxy near2 sulfonate near2 phenylene near2 vinylene) or (MPS adj PPv)) and (PEI or PAH or PDDA or PSS or PPI or dendrimer or (poly adj ((ethylene adj imine) or (allyl adj amine) or (styrene adj sulfonate) or (propylene adj imine)))) and (C60 or "C.sub.60" or \$8fullerene or buckminsterfullerene) and (PAZO)	US-PGPUB; USPAT	OR	ON	2005/05/20 13:16
L50	0	((methyl near2 propyloxy near2 sulfonate near2 phenylene near2 vinylene) or (MPS adj PPv)) and (PEI or PAH or PDDA or PSS or PPI or dendrimer or (poly adj ((ethylene adj imine) or (allyl adj amine) or (styrene adj sulfonate) or (propylene adj imine)))) and (PAZO)	US-PGPUB; USPAT	OR	ON	2005/05/20 13:16

L51	16	((methyl near2 propyloxy near2 sulfonate near2 phenylene near2 vinylene) or (MPS adj PPv)) and (PEI or PAH or PDDA or PSS or PPI or dendrimer or (poly adj ((ethylene adj imine) or (allyl adj amine) or (styrene adj sulfonate) or (propylene adj imine))))	US-PGPUB; USPAT	OR	ON	2005/05/20 13:17
L52	0	L46 and ((methyl near2 propyloxy near2 sulfonate near2 phenylene near2 vinylene) or (MPS adj PPv)) and (C60 or "C.sub.60" or \$8fullerene or buckminsterfullerene) and (PAZO)	US-PGPUB; USPAT	OR	ON	2005/05/20 13:17
L53	0	L46 and ((methyl near2 propyloxy near2 sulfonate near2 phenylene near2 vinylene) or (MPS adj PPv)) and (PAZO)	US-PGPUB; USPAT	OR	ON	2005/05/20 13:18
L54	0	L46 and ((methyl near2 propyloxy near2 sulfonate near2 phenylene near2 vinylene) or (MPS adj PPv)) and (C60 or "C.sub.60" or \$8fullerene or buckminsterfullerene)	US-PGPUB; USPAT	OR	ON	2005/05/20 13:18
L55	0	L46 and ((methyl near2 propyloxy near2 sulfonate near2 phenylene near2 vinylene) or (MPS adj PPv))	US-PGPUB; USPAT	OR	ON	2005/05/20 13:18
L56	0	((methyl near2 propyloxy near2 sulfonate near2 phenylene near2 vinylene) or (MPS adj PPv)) and (C60 or "C.sub.60" or \$8fullerene or buckminsterfullerene) and (PAZO)	US-PGPUB; USPAT	OR	ON	2005/05/20 13:18
L57	0	((methyl near2 propyloxy near2 sulfonate near2 phenylene near2 vinylene) or (MPS adj PPv)) and (PAZO)	US-PGPUB; USPAT	OR	ON	2005/05/20 13:18
L58	0	((methyl near2 propyloxy near2 sulfonate near2 phenylene near2 vinylene) or (MPS adj PPv)) and (C60 or "C.sub.60" or \$8fullerene or buckminsterfullerene)	US-PGPUB; USPAT	OR	ON	2005/05/20 13:18
L59	32	((methyl near2 propyloxy near2 sulfonate near2 phenylene near2 vinylene) or (MPS adj PPv))	US-PGPUB; USPAT	OR	ON	2005/05/20 13:18
L63	0	L46 and (((donor or (charge adj generat\$5) or donating) near2 (coat\$3 or film or layer)) or CGL) and (((accept\$7) near2 (coat\$3 or film or layer)) or CAL) and (PAZO or (nonlinear\$3) or (non adj linear\$3))	US-PGPUB; USPAT	OR	ON	2005/05/20 13:19



L64	74	((donor or (charge adj generat\$5) or donating) near2 (coat\$3 or film or layer)) or CGL) and (((accept\$7) near2 (coat\$3 or film or layer)) or CAL) and (PAZO or (nonlinear\$3) or (non adj linear\$3))	US-PGPUB; USPAT	OR	ON	2005/05/20 13:19
L66	97	((donor or (charge adj generat\$5) or donating) near2 (coat\$3 or film or layer)) or CGL) and (((accept\$7) near2 (coat\$3 or film or layer)) or CAL) and (TSL or (spac\$5 near2 (coat\$3 or film or layer)))	US-PGPUB; USPAT	OR	ON	2005/05/20 13:20
L67	489	(NLO or ((nonlinear or (non adj linear)) near2 optic\$6)) and (polyelectrolyt\$4 or polyanion\$4 or polycation\$5 or ((ionic\$4 or self) adj assembl\$5))	US-PGPUB; USPAT	OR	ON	2005/05/20 13:21
L68	489	(NLO or ((nonlinear or (non adj linear)) near2 optic\$6)) and (polyelectrolyt\$4 or polyanion\$4 or polycation\$5 or ((ionic\$4 or self) adj assembl\$5))	US-PGPUB; USPAT	OR	ON	2005/05/20 13:22
L69	16	L68 and L40	US-PGPUB; USPAT	OR	ON	2005/05/20 13:22
L70	1054	((electron or charge or energy) adj (transfer\$6)) and (NLO or ((nonlinear or (non adj linear)) near2 optic\$6)))	US-PGPUB; USPAT	OR	ON	2005/05/20 13:23
L71	160	L70 and (polyelectrolyt\$4 or polyanion\$4 or polycation\$5 or ((ionic\$4 or self) adj assembl\$5))	US-PGPUB; USPAT	OR	ON	2005/05/20 13:23
L73	3	((charge or electron or energy) near3 transfer\$5 with between with (donor adj (coat\$3 or film or layer)) with (acceptor adj (coat\$3 or film or layer)))	US-PGPUB; USPAT	OR	ON	2005/05/20 13:27
L74	5	((charge or electron or energy) near3 transfer\$5 with (donor adj (coat\$3 or film or layer)) with (acceptor adj (coat\$3 or film or layer)))	US-PGPUB; USPAT	OR	ON	2005/05/20 13:27
L75	12	(transfer\$5 with (donor adj (coat\$3 or film or layer)) with (acceptor adj (coat\$3 or film or layer)))	US-PGPUB; USPAT	OR	ON	2005/05/20 13:27



L76	2	((charge or electron or energy) near3 transfer\$5 with between with (donor adj (coat\$3 or film or layer)) with (acceptor adj (coat\$3 or film or layer)))	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 13:27
L77	3	((charge or electron or energy) near3 transfer\$5 with (donor adj (coat\$3 or film or layer)) with (acceptor adj (coat\$3 or film or layer)))	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 13:27
L78	1	((donor adj (coat\$3 or film or layer)) same (acceptor adj (coat\$3 or film or layer)) same (NLO or nonlinear\$5 or (non adj linear\$5)))	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 13:28
L79	0	((donor adj (coat\$3 or film or layer)) same (acceptor adj (coat\$3 or film or layer)) same (NLO or nonlinear\$5 or (non adj linear\$5)))	US-PGPUB; USPAT	OR	ON	2005/05/20 13:28
L80	13	((donor adj (coat\$3 or film or layer)) same (acceptor adj (coat\$3 or film or layer))) and (NLO or nonlinear\$5 or (non adj linear\$5))	US-PGPUB; USPAT	OR	ON	2005/05/20 13:28
L81	0	(NLO or ((nonlinear\$5 or (non adj linear\$5) adj optic\$7))) with sandwi\$7 with (donat\$6) with accept\$6	US-PGPUB; USPAT	OR	ON	2005/05/20 13:28
L82	144	(NLO or ((nonlinear\$5 or (non adj linear\$5) adj optic\$7))) with sandwi\$7	US-PGPUB; USPAT	OR	ON	2005/05/20 13:29
L83	71	L70 and ((donor or donating or acceptor or accept\$6) near2 (coat\$3 or film or layer))	US-PGPUB; USPAT	OR	ON	2005/05/20 13:30
L84	0	((methyl near2 propyloxy near2 sulfonate near2 phenylene near2 vinylene) or (MPS adj PPv))	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 13:30

L85	3	L40 and ((ionic\$5 or self) adj assembl\$5) and (polyanion\$5 or polycation\$5 or polyelectroly\$6 or polyion\$6 or (poly adj (anion\$4 or cation\$5 or electrolyt\$5 or ion\$6))) and (donor or MPSPPV or (MPS adj PPV) or (\$10sulfonate near2 (\$10phenylene or \$10vinylene))) and (acceptor or C60 or buckyball or fullerene or (bucky adj ball) or "C.sub.60") and (spacer or spacing or PEI or (poly adj ethylene adj imine) or (poly adj ethyleneimine) or (polyethylene adj imine) or (polyethyleneimine) or PAH or polyallylamine or (poly adj \$3allyl adj amine) or (polyallyl adj amine) or (poly adj \$4allylamine) or PDDA or PSS or (polystyrene adj sulfonate) or (poly adj styrene adj sulfonate) or (poly adj styrenesulfonate) or PAZO or NLO or (non adj linear) or (nonlinear))	US-PGPUB; USPAT	OR	ON	2005/05/20 13:36
L86	0	((ionic\$5 or self) adj assembl\$5) and (polyanion\$5 or polycation\$5 or polyelectroly\$6 or polyion\$6 or (poly adj (anion\$4 or cation\$5 or electrolyt\$5 or ion\$6))) and (donor or MPSPPV or (MPS adj PPV) or (\$10sulfonate near2 (\$10phenylene or \$10vinylene))) and (acceptor or C60 or buckyball or fullerene or (bucky adj ball) or "C.sub.60") and (spacer or spacing or PEI or (poly adj ethylene adj imine) or (poly adj ethyleneimine) or (polyethylene adj imine) or (polyethyleneimine) or PAH or polyallylamine or (poly adj \$3allyl adj amine) or (polyallyl adj amine) or (poly adj \$4allylamine) or PDDA or PSS or (polystyrene adj sulfonate) or (poly adj styrene adj sulfonate) or (poly adj styrenesulfonate) or PAZO or NLO or (non adj linear) or (nonlinear))	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 13:37

L87	1	(((ionic\$5 or self) adj assembl\$5) or (polyanion\$5 or polycation\$5 or polyelectroly\$6 or polyion\$6 or (poly adj (anion\$4 or cation\$5 or electrolyt\$5 or ion\$6)))) and (donor or MPSPPv or (MPS adj PPv) or (\$10sulfonate near2 (\$10phenylene or \$10vinylene))) and (acceptor or C60 or buckyball or fullerene or (bucky adj ball) or "C.sub.60") and (spacer or spacing or PEI or (poly adj ethylene adj imine) or (poly adj ethyleneimine) or (polyethylene adj imine) or (polyethyleneimine) or PAH or polyallylamine or (poly adj \$3allyl adj amine) or (polyallyl adj amine) or (poly adj \$4allylamine) or PDDA or PSS or (polystyrene adj sulfonate) or (poly adj styrene adj sulfonate) or (poly adj styrenesulfonate) or PAZO or NLO or (non adj linear) or (nonlinear))	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 13:38
L88	1472	(((ionic\$5 or self) adj assembl\$5) or (polyanion\$5 or polycation\$5 or polyelectroly\$6 or polyion\$6 or (poly adj (anion\$4 or cation\$5 or electrolyt\$5 or ion\$6)))) and (donor or MPSPPv or (MPS adj PPv) or (\$10sulfonate near2 (\$10phenylene or \$10vinylene))) and (acceptor or C60 or buckyball or fullerene or (bucky adj ball) or "C.sub.60") and (spacer or spacing or PEI or (poly adj ethylene adj imine) or (poly adj ethyleneimine) or (polyethylene adj imine) or (polyethyleneimine) or PAH or polyallylamine or (poly adj \$3allyl adj amine) or (polyallyl adj amine) or (poly adj \$4allylamine) or PDDA or PSS or (polystyrene adj sulfonate) or (poly adj styrene adj sulfonate) or (poly adj styrenesulfonate) or PAZO or NLO or (non adj linear) or (nonlinear))	US-PGPUB; USPAT	OR	ON	2005/05/20 14:10
L89	109	L88 and (superlattice or (super adj lattice))	US-PGPUB; USPAT	OR	ON	2005/05/20 13:49
L90	135	L88 and ((control\$6 or direction or directed) with (charge or energy or electron or photo\$9 or photoinduc\$7) near3 (transfer\$6 or transport\$6))	US-PGPUB; USPAT	OR	ON	2005/05/20 14:15

L91	51	(((ionic\$5 or self) adj assembl\$5) or (polyanion\$5 or polycation\$5 or polyelectroly\$6 or polyion\$6 or (poly adj (anion\$4 or cation\$5 or electrolyt\$5 or ion\$6)))) and ((donor or MPSPPv or (MPS adj PPv) or (\$10sulfonate near2 (\$10phenylene or \$10vinylene))) with (coat\$4 or film or layer or multilayer or monolayer)) and ((acceptor or C60 or buckyball or fullerene or (bucky adj ball) or "C. sub.60") with (coat\$5 or film or layer or monolayer or multilayer)) and ((spacer or spacing or PEI or (poly adj ethylene adj imine) or (poly adj ethyleneimine) or (polyethylene adj imine) or (polyethyleneimine) or PAH or polyallylamine or (poly adj \$3allyl adj amine) or (polyallyl adj amine) or (poly adj \$4allylamine) or PDDA or PSS or (polystyrene adj sulfonate) or (poly adj styrene adj sulfonate) or (poly adj styrenesulfonate) or PAZO or NLO or (non adj linear) or (nonlinear)) with (coat\$5 or film or layer or monolayer or multilayer))	US-PGPUB; USPAT	OR	ON	2005/05/20 14:09
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L92	0	(((ionic\$5 or self) adj assembl\$5) or (polyanion\$5 or polycation\$5 or polyelectroly\$6 or polyion\$6 or (poly adj (anion\$4 or cation\$5 or electrolyt\$5 or ion\$6)))) and ((donor or MPSPPv or (MPS adj PPv) or (\$10sulfonate near2 (\$10phenylene or \$10vinylene))) with (coat\$4 or film or layer or multilayer or monolayer)) and ((acceptor or C60 or buckyball or fullerene or (bucky adj ball) or "C. sub.60") with (coat\$5 or film or layer or monolayer or multilayer)) and ((spacer or spacing or PEI or (poly adj ethylene adj imine) or (poly adj ethyleneimine) or (polyethylene adj imine) or (polyethyleneimine) or PAH or polyallylamine or (poly adj \$3allyl adj amine) or (polyallyl adj amine) or (poly adj \$4allylamine) or PDDA or PSS or (polystyrene adj sulfonate) or (poly adj styrene adj sulfonate) or (poly adj styrenesulfonate) or PAZO or NLO or (non adj linear) or (nonlinear)) with (coat\$5 or film or layer or monolayer or multilayer))	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 14:09
L93	199	(((ionic\$5 or self) adj assembl\$5) or (polyanion\$5 or polycation\$5 or polyelectroly\$6 or polyion\$6 or (poly adj (anion\$4 or cation\$5 or electrolyt\$5 or ion\$6)))) same (NLO or nonlinear or (non adj linear))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 14:25
L94	14	L93 and ((control\$6 or direction or directed) with (charge or energy or electron or photo\$7 or photoinduc\$7) near3 (transfer\$6 or transport\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 14:17
L95	68	L93 and ((charge or energy or electron or photo\$7 or photoinduc\$7) near3 (transfer\$6 or transport\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 14:17
L96	54	L95 not L94	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 14:17

L97	4	L93 and (CGL or ((donor or donating or doner or generat\$5) near2 (coat\$4 or film or layer or monolayer))) and ((accept\$5 or receiv\$6 or reciev\$5) near2 (coat\$4 or film or layer or monolayer))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 14:24
L98	8	((((ionic\$5 or self) adj assembl\$5) or (polyanion\$5 or polycation\$5 or polyelectroly\$6 or polyion\$6 or (poly adj (anion\$4 or cation\$5 or electrolyt\$5 or ion\$6)))) and (NLO or nonlinear or (non adj linear)) and (((charge or energy or electron or photo\$7 or photoinduc\$7) near3 (transfer\$6 or transport\$6)) and (CGL or ((donor or donating or doner or generat\$5) near2 (coat\$4 or film or layer or monolayer))) and ((accept\$5 or receiv\$6 or reciev\$5) near2 (coat\$4 or film or layer or monolayer))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 14:28
L99	1	((((ionic\$5 or self) adj assembl\$5) or (polyanion\$5 or polycation\$5 or polyelectroly\$6 or polyion\$6 or (poly adj (anion\$4 or cation\$5 or electrolyt\$5 or ion\$6)))) and ((charge or energy or electron or photo\$7 or photoinduc\$7) near3 (transfer\$6 or transport\$6)) and (CGL or ((donor or donating or doner or generat\$5) near2 (coat\$4 or film or layer or monolayer))) and ((accept\$5 or receiv\$6 or reciev\$5) near2 (coat\$4 or film or layer or monolayer)) and (superlattice or (super adj lattice))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 14:30
L100	62	((((ionic\$5 or self) adj assembl\$5) or (polyanion\$5 or polycation\$5 or polyelectroly\$6 or polyion\$6 or (poly adj (anion\$4 or cation\$5 or electrolyt\$5 or ion\$6)))) and ((charge or energy or electron or photo\$7 or photoinduc\$7) near3 (transfer\$6 or transport\$6)) and (CGL or ((donor or donating or doner or generat\$5) near2 (coat\$4 or film or layer or monolayer))) and ((accept\$5 or receiv\$6 or reciev\$5) near2 (coat\$4 or film or layer or monolayer))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 14:30

L101	61	L100 not L99	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/20 14:30
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